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Claims

1. A cooling device for an electric machine with
 - thermal zones that have interactions with one another, each of the thermal zones containing a heat source and a temperature sensor, and
 - at least one cooling means,
 - a controlling element connected to the temperature sensor being allocated to each thermal zone for activation of the at least one cooling means,characterized in that outputs of a plurality of controlling elements can be connected to the at least one cooling means.
2. A cooling device according to claim 1, characterized in that a maximum-value generator for recognition of critical conditions is connected between a plurality of controlling elements and the at least one cooling means.
3. A cooling device according to claim 1, characterized in that at least two cooling means are provided.
4. A cooling device according to claim 3, characterized in that an allocation matrix by which the controlling elements can be connected to the at least two cooling means is connected between a plurality of controlling elements and the at least two cooling means.

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5. A cooling device according to one of claims 1 to 4, characterized in that the electric machine is a computer system and the cooling means are fans.

6. A cooling device according to one of claims 1 to 5, characterized in that the controlling elements are implemented with an ASIC and/or microcontroller chip or are implemented as part thereof.